

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE				ATTY. DOCKET NO 30-4397 DIV-1	SERIAL NO 10/631,321		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICANT CHARLES EDWARD BOWERS			
(Use several sheets if necessary)				FILING DATE July 31, 2003	GROUP 3765		
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,147,508	4/3/79	PERRIG	8	488	
	AB	4,668,552	5/26/87	SCOTT	428	92	
	AC	5,141,780	8/25/92	HACKLER, ET AL.	427	389.9	
	AD	5,478,624	12/26/95	LOFQUIST	428	97	
	AE	5,567,256	10/22/96	QUEEN, ET AL.	156	72	
	AF	5,910,361	6/8/99	GUEVEL, ET AL.	428	364	
	AG	6,132,868	10/17/00	DEAN, ET AL.	428	364	
	AH	6,218,009	4/17/01	TSAI, ET AL.	428	373	
	AI						
	AJ						
	AK						
FOREIGN PATENT DOCUMENTS							
							TRANSLATION
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES
	AL	JP 2300340	12/12/1990	JAPAN			X
	AM						
	AN						
	AO						
	AP						
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
	AQ						
	AR						
	AS						
EXAMINER				DATE CONSIDERED			
Examiner: Initial if citation considered. whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							